

YESHU AGARWAL

 [LinkedIn](#) |  [GitHub](#) |  work.yeshuagarwal@gmail.com |  +91 9354872684

EDUCATION

Vellore Institute of Technology B.Tech- Computer Science and Engineering (Cloud Computing and Automation) CGPA: 8.66	Bhopal,Madhya Pradesh 2023- Expected 2027
---	---

PROFESSIONAL SUMMARY

I am a Computer Science undergraduate with a strong passion for building meaningful, creative, and scalable digital experiences. I enjoy crafting intuitive and visually engaging user interfaces that not only function well but feel great to use.

EXPERIENCE

- **Tech Co-Lead – UX Club, VIT Bhopal** (*Jan 2024 – Present*)
 - Worked on planning and developing multiple web platforms for club events using React.js/Next.js, Tailwind CSS, and Framer Motion, and deployed them with Vercel.
 - The team developed a registration site having **2000+ unique viewers** with high conversion into successful student sign-ups provided that UI and performance optimizations were made.
 - Worked with design and content teams in rendering the ideas with pixel-perfect details and pleasing animations.

TECHNICAL SKILLS

- **Front-End:** HTML, CSS, Tailwind CSS, JavaScript, React.js (Vite), Three.js, React-Three Fiber, Next.js
- **Web Animation & Designing:** GSAP (with ScrollTrigger), Framer Motion, Lenis, Locomotive.js, Figma
- **Back-End:** Node.js, Express.js, REST APIs, MongoDB, Redis, Kafka, Mongoose, Prisma, JWT, OAuth, bcrypt, Multer, Rate Limiting, Socket.io, Zod (validations)
- **System Design & Architecture:** Load Balancing, Horizontal & Vertical Scaling, Caching (Redis), Event-Driven Architecture, Cloud-Native Design (AWS), Distributed Systems, Microservices, Messaging Queues (Kafka, SQS/SNS)
- **Cloud:** Docker, AWS (EC2, S3, CloudFront, API Gateway, SQS, SNS, Lambda, Route53, IAM Roles)
- **Language:** JavaScript, TypeScript, Java, C++, Object Oriented Programming (OOP)

PROJECTS

- **[WhisperLink](#): (MERN-Full stack)** *-In Progress*
 - Registered users can sign up and log in using **JWT-based** authentication. Session management is handled with secure **HTTP-only cookies** and **local Storage**. Anyone can ask questions without logging in—no accounts, no tracking.
 - An anonymous Q&A platform using **Node.js** and **Express.js** as the backend runtime and API layer.
 - Link Lifecycle Management: **Soft Delete**: Links are flagged for deletion after a preset period. **Hard Delete**: A scheduled **CRON job** permanently removes expired links and associated data
 - Integrated **AES-256-CBC encryption** for all messages (text), ensuring complete data privacy
 - Implemented **audio messaging system** using **AWS S3 with pre-signed URLs**, enabling frontend uploads without exposing credentials
- **[Moody](#): (Backend)**
 - Build RESTful backend using **Node.js** and **Express.js** for a music mood detection platform
 - Integrated **Gemini API** to analyze song lyrics and classify emotional tone.
 - Implemented custom **user authentication** using **bcryptjs** for password hashing and JWT for secure token-based access. For Database **MongoDB**.
 - Structured **RESTful API** routes for user management, mood detection, and song retrieval.
 - Handled **error management**, **request validation**, and middleware logic.
- **[Portfolio-Web](#): (Frontend)**
 - Designed and built a responsive personal portfolio using **React.js**, **Tailwind CSS**, **Framer Motion**, and **Lenis**.
 - Implemented smooth scroll-based animations and dynamic UI transitions to enhance user experience.
 - Focused on performance optimization, mobile responsiveness, and modern design aesthetics
- **[Web-portfolio25](#): (Frontend)**
 - Building a modern, fully responsive personal portfolio using **Next.js**, **Tailwind CSS**, **Framer Motion**, and **Lenis**.
 - Designed with a focus on smooth scroll interactions, animations, and clean layout for seamless **UI/UX**.
 - Highlights projects, skills, and experience in a visually engaging format.
 - Optimized for performance, accessibility, and responsiveness across devices.

CERTIFICATIONS & ACTIVITIES

- **[Programming with JavaScript](#)** authorized by **Meta** and offered through **Coursera**
- **SIH 2024** - Cleared internal university rounds and ranked among the **top 50 teams** preparing for the National Round.